

Abstract

An object of the present invention is to provide a method for simply, quickly and selectively monitoring the progress of a reaction with high sensitivity in real time in the solid-phase synthesis of a sugar chain. The present invention provides a method for detecting whether or not a hydroxyl group in sugars is protected, which comprises the step of reacting the sugar having a hydroxyl group or hydroxyl group protected by a $Z-CH_2-CO-$ group wherein Z represents a halogen or $-O-SO_2-R$, in which R represents an aliphatic or aromatic hydrocarbon group, which is immobilized to a solid phase, with a compound represented by the formula $X-Y$ wherein X represents a residue of an azo dye compound, and Y represents a group capable of reacting with the hydroxyl group in the sugars; and/or reacting the above sugar with (p-nitrobenzyl)pyridine under basic conditions.